

Application No. 09/517,364
Amendment dated June 11, 2004
Reply to Office action of March 11, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A method for reducing first copy out times
2 of printed matter, said method comprising the steps of:
3 (a) executing a request to print at least a portion of said printed matter;
4 (b) generating a uniqueness identifier in a host computer, said
5 uniqueness identifier specifically associated with referring to said at
6 least a portion of said printed matter, and for identifying said at
7 least a portion of said printed matter;
8 (c) comparing said uniqueness identifier to a list of uniqueness
9 identifiers stored in memory;
10 (d) printing said at least a portion of said printed matter using data
11 stored in a memory location referenced by said list of uniqueness
12 identifiers if said uniqueness identifier is found in said list of
13 uniqueness identifiers; and
14 (e) storing said uniqueness identifier and a reference to data stored in
15 memory pertaining to said at least a portion of said printed matter in
16 said list of uniqueness identifiers if said uniqueness identifier is not
17 found in said list of uniqueness identifiers.
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1 Claim 2 (currently amended): A method for reducing first copy out times
2 of a "print portion," said method comprising the steps of:
3 (a) executing a request to print said "print portion";
4 (b) generating a "print portion" uniqueness identifier in a host
5 computer, said "print portion" uniqueness identifier specifically
6 associated with referring to and for identifying said "print portion";
7 (c) comparing said "print portion" uniqueness identifier to a list of
8 uniqueness identifiers stored in memory;
9 (d) printing said "print portion" using previously rendered data stored in
10 a memory location referenced by said list of uniqueness identifiers
11 if said "print portion" uniqueness identifier is found in said list of
12 uniqueness identifiers; and
13 (e) storing said "print portion" uniqueness identifier and a reference to
14 data stored in memory pertaining to said "print portion" in said list of
15 uniqueness identifiers if said "print portion" uniqueness identifier is
16 not found in said list of uniqueness identifiers.
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1 Claim 3 (original): The method of claim 2, said step of printing said "print
2 portion" printing an entire print job.
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1 Claim 4 (original): The method of claim 2, said step of printing said "print
2 portion" printing a portion of an entire print job.
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1 Claim 5 (previously presented): The method of claim 4 further comprising
2 the steps of:

- 3 (a) said step of generating a "print portion" uniqueness identifier
4 specifically associated with said "print portion" including the step of
5 generating a "print portion" uniqueness identifier 1-N in a host
6 computer, said "print portion" uniqueness identifier 1-N specifically
7 associated with each "print portion" 1-N of said entire print job;
- 8 (b) comparing said "print portion" uniqueness identifier 1-N to a list of
9 uniqueness identifiers stored in memory;
- 10 (c) printing said "print portion" 1-N using previously rendered data
11 stored in a memory location referenced by said list of uniqueness
12 identifiers if said "print portion" uniqueness identifier 1-N is found in
13 said list of uniqueness identifiers; and
- 14 (d) storing said "print portion" uniqueness identifier 1-N and a
15 reference to data stored in memory pertaining to said "print portion"
16 1-N in said list of uniqueness identifiers if said "print portion"
17 uniqueness identifier 1-N is not found in said list of uniqueness
18 identifiers;
- 19 (e) determining whether said entire print job has been printed; and
- 20 (f) repeating steps (b)-(e) until said entire print job has been printed.

1 Claim 6 (original): The method of claim 2 further comprising the step of
2 performing an efficiency check.

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1 Claim 7 (currently amended): A method for reducing first copy out times
2 for printing an entire print job, said method comprising the steps of:
3 (a) executing a request to print said entire print job, said entire print job
4 divisible into "print portion" 1-N;
5 (b) generating a "print portion" uniqueness identifier 1-N in a host
6 computer, said "print portion" uniqueness identifier 1-N specifically
7 associated with referring to and for identifying each "print portion"
8 1-N of said entire print job;
9 (c) for a consecutive one of "print portion" 1-N, comparing said "print
10 portion" uniqueness identifier 1-N to a list of uniqueness identifiers
11 stored in memory;
12 (d) for said consecutive one of "print portion" 1-N, printing said "print
13 portion" 1-N using previously rendered data stored in a memory
14 location referenced by said list of uniqueness identifiers if said "print
15 portion" uniqueness identifier 1-N is found in said list of uniqueness
16 identifiers; and
17 (e) for said consecutive one of "print portion" 1-N, storing said "print
18 portion" uniqueness identifier 1-N and a reference to data stored in
19 memory pertaining to said "print portion" 1-N in said list of
20 uniqueness identifiers if said "print portion" uniqueness identifier 1-
21 N is not found in said list of uniqueness identifiers;
22 (f) determining whether said entire print job has been printed; and
23 (g) repeating steps (c)-(f) until said entire print job has been printed.
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1 Claim 8 (original): The method of claim 7 further comprising the step of
2 performing an efficiency check.
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1 Claim 9 (previously presented): The method of claim 1 wherein said step
2 of comparing said uniqueness identifier to a list of uniqueness identifiers stored in
3 memory further comprising the step of comparing said uniqueness identifier to a list of
4 uniqueness identifiers stored in memory in a printer.

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1 Claim 10 (previously presented): The method of claim 9 further
2 comprising the step of transferring said uniqueness identifier from said host computer to
3 said printer.

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1 Claim 11 (previously presented): The method of claim 9 further
2 comprising the step of transferring all or part of said at least a portion of said printed
3 matter from said host computer to said printer if said uniqueness identifier is not found
4 in said list of uniqueness identifiers.

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1 Claim 12 (previously presented): The method of claim 2 wherein said step
2 of comparing said "print portion" uniqueness identifier to a list of uniqueness identifiers
3 stored in memory further comprising the step of comparing said "print portion"
4 uniqueness identifier to a list of uniqueness identifiers stored in memory in a printer.

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1 Claim 13 (previously presented): The method of claim 12 further
2 comprising the step of transferring said "print portion" uniqueness identifier from said
3 host computer to said printer.

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1 Claim 14 (previously presented): The method of claim 12 further
2 comprising the step of transferring all or part of said "print portion" from said host
3 computer to said printer if said "print portion" uniqueness identifier is not found in said
4 list of uniqueness identifiers.

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1 Claim 15 (previously presented): The method of claim 5 wherein said step
2 of comparing said "print portion" uniqueness identifier 1-N to a list of uniqueness
3 identifiers stored in memory further comprising the step of comparing said "print portion"
4 uniqueness identifier 1-N to a list of uniqueness identifiers stored in memory in a printer.
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1 Claim 16 (previously presented): The method of claim 15 further
2 comprising the step of transferring said "print portion" uniqueness identifier 1-N from
3 said host computer to said printer.
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1 Claim 17 (previously presented): The method of claim 15 further
2 comprising the step of transferring all or part of said "print portion" 1-N from said host
3 computer to said printer if said "print portion" uniqueness identifier 1-N is not found in
4 said list of uniqueness identifiers.
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1 Claim 18 (previously presented): The method of claim 7 wherein said step
2 of comparing said "print portion" uniqueness identifier 1-N to a list of uniqueness
3 identifiers stored in memory further comprising the step of comparing said "print portion"
4 uniqueness identifier 1-N to a list of uniqueness identifiers stored in memory in a printer.
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1 Claim 19 (previously presented): The method of claim 18 further
2 comprising the step of transferring said "print portion" uniqueness identifier 1-N from
3 said host computer to said printer.
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1 Claim 20 (previously presented): The method of claim 18 further
2 comprising the step of transferring all or part of said "print portion" 1-N from said host
3 computer to said printer if said "print portion" uniqueness identifier 1-N is not found in
4 said list of uniqueness identifiers.
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1 Claim 21 (currently amended): A system for reducing first copy out times
2 of printed matter, said system comprising:

3 (a) means for executing a request to print at least a portion of said
4 printed matter;
5 (b) uniqueness identifier generator for generating a uniqueness
6 identifier in a host computer, said uniqueness identifier referring to
7 and for identifying said at least a portion of said printed matter;
8 (c) means for comparing said uniqueness identifier to a list of
9 uniqueness identifiers stored in memory;
10 (d) means for printing said at least a portion of said printed matter
11 using data stored in a memory location referenced by said list of
12 uniqueness identifiers if said uniqueness identifier is found in said
13 list of uniqueness identifiers; and
14 (e) means for storing said uniqueness identifier and a reference to data
15 stored in memory pertaining to said at least a portion of said printed
16 matter in said list of uniqueness identifiers if said uniqueness
17 identifier is not found in said list of uniqueness identifiers.

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1 Claim 22 (previously presented): The system of claim 21 wherein said
2 means for comparing said uniqueness identifier to a list of uniqueness identifiers stored
3 in memory further comprises means for comparing said uniqueness identifier to a list of
4 uniqueness identifiers stored in memory in a printer.

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1 Claim 23 (previously presented): The system of claim 21 further
2 comprising means for transferring said uniqueness identifier from said host computer to
3 said printer.

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1 Claim 24 (previously presented): The system of claim 21 further
2 comprising means for transferring all or part of said at least a portion of said printed
3 matter from said host computer to said printer if said uniqueness identifier is not found
4 in said list of uniqueness identifiers.

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